Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/25/2019 09:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125704	0	1.79	125791	1.84
Blue	F	SSC	125000	124568	-1	1.65	125392	1.64
Blue	E	FITC	16433	16109	-2	2.84	352	19.73
Blue	D	PE	27595	27130	-2	2.12	591	14.41
Blue	B	PerCP-Cy5-5	43183	42597	-2	3.71	1145	20.17
Blue	A	PE-Cy7	31943	32045	0	6.10	615	40.07
Red	C	APC	42819	42022	-2	2.43	1486	11.99
Red	A	APC-Cy7	31261	30132	-4	2.30	798	11.83
Violet	B	V450	6527	6249	-5	5.05	347	14.14
Violet	A	V500	24533	23717	-4	4.89	550	10.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17982	9.01	612	12	N/A	N/A	Pass
Blue	F	SSC	56609	1.31	553	5	N/A	N/A	Pass
Blue	E	FITC	65	62.06	539	0	0.0206	114	Pass
Blue	D	PE	125	50.02	535	1	0.1918	356	Pass
Blue	B	PerCP-Cy5-5	211	48.71	645	3	0.0092	38	Pass
Blue	A	PE-Cy7	113	96.86	694	5	0.0111	6	Pass
Red	C	APC	354	25.13	578	-5	0.0252	167	Pass
Red	A	APC-Cy7	176	28.24	557	-6	0.0057	847	Pass
Violet	B	V450	54	60.40	449	-6	0.0412	1662	Pass
Violet	A	V500	82	36.16	461	-6	0.0249	1251	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.09	-31.68	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.10	13.60 - 20.40	N/A	N/A	29.32	29.78	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10104

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments